

ABSTRACT OF THE DISCLOSURE

PROCESS AND COMPOSITIONS FOR PRINTING SUBSTRATES

5 The invention relates to a process and a composition which can
be used as a printing paste for printing substrates. In the
process, a printing paste comprising a) a matrix-forming
precondensate based on polyorganosiloxanes which is obtained by
the sol-gel process, and b) one or more coloring, luminescent,
conductive and/or catalytically active fillers, is applied
imagewise to the substrate and densified by heat treatment,
10 where the densification is carried out at a temperature which is
lower than the glass transition temperature of the matrix
forming.

15 The process and the printing pastes are suitable, for example,
for the production of conductor tracks and of decorative
patterns.